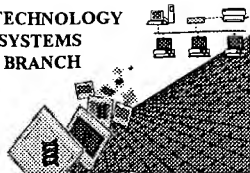# RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _O 9/937, 100_

Source: _P4/09_

Date Processed by STIC: _2/8/2002_

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703- 308-4216.

PATENTIN 2.1 e-mail help: **patin21help@uspto.gov** or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: **patin3help@uspto.gov** or phone 703-306-4119 (R. Wax)

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)

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3. **Hand Carry directly to:**
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   Or
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Revised 01/29/2002

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/937,100

DATE: 02/08/2002
TIME: 11:34:17

Input Set : A:\pto.vsk.txt
Output Set: N:\CRF3\02082002\I937100.raw

```
 3 <110> APPLICANT: Biovation Limited
 5 <120> TITLE OF INVENTION: Protein Isolation and Analysis
 7 <130> FILE REFERENCE: 0099176-Bzgs
 9 <140> CURRENT APPLICATION NUMBER: US/09/937,100
10 <141> CURRENT FILING DATE: 2001-01-07
12 <150> PRIOR APPLICATION NUMBER: 9906551.8 GB
13 <151> PRIOR FILING DATE: 1999-03-23
15 <150> PRIOR APPLICATION NUMBER: 9907057.5 GB
16 <151> PRIOR FILING DATE: 1999-03-29
18 <150> PRIOR APPLICATION NUMBER: 9907641.6 GB
19 <151> PRIOR FILING DATE: 1999-04-06
21 <150> PRIOR APPLICATION NUMBER: 9914874.4 GB
22 <151> PRIOR FILING DATE: 1999-06-28
24 <150> PRIOR APPLICATION NUMBER: 9915363.7 GB
25 <151> PRIOR FILING DATE: 1999-07-02
27 <150> PRIOR APPLICATION NUMBER: 9915677.0 GB
28 <151> PRIOR FILING DATE: 1999-07-06
30 <150> PRIOR APPLICATION NUMBER: 9916511.0 GB
31 <151> PRIOR FILING DATE: 1999-07-14
33 <150> PRIOR APPLICATION NUMBER: 9920503.1 GB
34 <151> PRIOR FILING DATE: 1999-08-31
36 <150> PRIOR APPLICATION NUMBER: 9922285.3 GB
37 <151> PRIOR FILING DATE: 1999-09-21
39 <160> NUMBER OF SEQ ID NOS: 69
41 <170> SOFTWARE: PatentIn version 3.1
43 <210> SEQ ID NO: 1
44 <211> LENGTH: 24
45 <212> TYPE: DNA
46 <213> ORGANISM: Artificial Sequence
48 <220> FEATURE:
49 <223> OTHER INFORMATION: Oligonucleotide for an 8 amino acid barcode peptide
51 <220> FEATURE:
52 <221> NAME/KEY: CDS
53 <222> LOCATION: (1)..(24)
54 <223> OTHER INFORMATION:
57 <220> FEATURE:
58 <221> NAME/KEY: misc_feature
59 <222> LOCATION: (1)..(1)        /
60 <223> OTHER INFORMATION: n=a,t,g,c
63 <220> FEATURE:
64 <221> NAME/KEY: misc_feature         (
65 <222> LOCATION: (4)..(4)
66 <223> OTHER INFORMATION: n=a,t,g,c
```

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING   DATE: 02/08/2002
PATENT APPLICATION: US/09/937,100   TIME: 11:34:17

Input Set : A:\pto.vsk.txt
Output Set: N:\CRF3\02082002\I937100.raw

```
 69 <220> FEATURE:
 70 <221> NAME/KEY: misc_feature
 71 <222> LOCATION: (7)..(7)
 72 <223> OTHER INFORMATION: n=a,t,g,c
 75 <220> FEATURE:
 76 <221> NAME/KEY: misc_feature
 77 <222> LOCATION: (10)..(10)
 78 <223> OTHER INFORMATION: n=a,t,g,c
 81 <220> FEATURE:
 82 <221> NAME/KEY: misc_feature
 83 <222> LOCATION: (14)..(14)
 84 <223> OTHER INFORMATION: k=g,t
 87 <220> FEATURE:
 88 <221> NAME/KEY: misc_feature
 89 <222> LOCATION: (16)..(16)
 90 <223> OTHER INFORMATION: v=a,g,c
 93 <220> FEATURE:
 94 <221> NAME/KEY: misc_feature
 95 <222> LOCATION: (20)..(20)
 96 <223> OTHER INFORMATION: n=a,g,t,c
 99 <220> FEATURE:
100 <221> NAME/KEY: misc_feature
101 <222> LOCATION: (21)..(21)
102 <223> OTHER INFORMATION: v=a,g,c
105 <220> FEATURE:
106 <221> NAME/KEY: misc_feature
107 <222> LOCATION: (23)..(23)
108 <223> OTHER INFORMATION: n=a,t,g,c
111 <400> SEQUENCE: 1
112 nac ncc ngg ntg tkc vag gnv cnt                                    24
113 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
114 1               5
117 <210> SEQ ID NO: 2
118 <211> LENGTH: 8
119 <212> TYPE: PRT
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <221> NAME/KEY: misc_feature
124 <222> LOCATION: (1)..(1)
125 <223> OTHER INFORMATION: The 'Xaa' at location 1 stands for Asn, Asp, His, or Tyr.
127 <220> FEATURE:
128 <221> NAME/KEY: misc_feature
129 <222> LOCATION: (2)..(2)
130 <223> OTHER INFORMATION: The 'Xaa' at location 2 stands for Thr, Ala, Pro, or Ser.
132 <220> FEATURE:
133 <221> NAME/KEY: misc_feature
134 <222> LOCATION: (3)..(3)
135 <223> OTHER INFORMATION: The 'Xaa' at location 3 stands for Arg, Gly, or Trp.
137 <220> FEATURE:
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RAW SEQUENCE LISTING   DATE: 02/08/2002
PATENT APPLICATION: US/09/937,100   TIME: 11:34:17

Input Set : A:\pto.vsk.txt
Output Set: N:\CRF3\02082002\I937100.raw

```
138 <221> NAME/KEY: misc_feature
139 <222> LOCATION: (4)..(4)
140 <223> OTHER INFORMATION: The 'Xaa' at location 4 stands for Met, Val, or Leu.
142 <220> FEATURE:
143 <221> NAME/KEY: misc_feature
144 <222> LOCATION: (5)..(5)
145 <223> OTHER INFORMATION: The 'Xaa' at location 5 stands for Cys, or Phe.
147 <220> FEATURE:
148 <221> NAME/KEY: misc_feature
149 <222> LOCATION: (6)..(6)
150 <223> OTHER INFORMATION: The 'Xaa' at location 6 stands for Lys, Glu, or Gln.
152 <220> FEATURE:
153 <221> NAME/KEY: misc_feature
154 <222> LOCATION: (7)..(7)
155 <223> OTHER INFORMATION: The 'Xaa' at location 7 stands for Glu, Asp, Gly, Ala, or
Val.
157 <220> FEATURE:
158 <221> NAME/KEY: misc_feature
159 <222> LOCATION: (8)..(8)
160 <223> OTHER INFORMATION: The 'Xaa' at location 8 stands for His, Arg, Pro, or Leu.
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Oligonucleotide for an 8 amino acid barcode peptide
165 <220> FEATURE:
166 <221> NAME/KEY: misc_feature
167 <222> LOCATION: (1)..(1)
168 <223> OTHER INFORMATION: n=a,t,g,c
170 <220> FEATURE:
171 <221> NAME/KEY: misc_feature
172 <222> LOCATION: (4)..(4)
173 <223> OTHER INFORMATION: n=a,t,g,c
175 <220> FEATURE:
176 <221> NAME/KEY: misc_feature
177 <222> LOCATION: (7)..(7)
178 <223> OTHER INFORMATION: n=a,t,g,c
180 <220> FEATURE:
181 <221> NAME/KEY: misc_feature
182 <222> LOCATION: (10)..(10)
183 <223> OTHER INFORMATION: n=a,t,g,c
185 <220> FEATURE:
186 <221> NAME/KEY: misc_feature
187 <222> LOCATION: (14)..(14)
188 <223> OTHER INFORMATION: k=g,t
190 <220> FEATURE:
191 <221> NAME/KEY: misc_feature
192 <222> LOCATION: (16)..(16)
193 <223> OTHER INFORMATION: v=a,g,c
195 <220> FEATURE:
196 <221> NAME/KEY: misc_feature
197 <222> LOCATION: (20)..(20)
198 <223> OTHER INFORMATION: n=a,g,t,c
```

[handwritten annotations:]
Seq. 2 is a peptide sequence
Delete
This section and that circled on p. 4 are for a nucleotide sequence, not a peptide sequence

RAW SEQUENCE LISTING   DATE: 02/08/2002
PATENT APPLICATION: US/09/937,100   TIME: 11:34:17

Input Set : A:\pto.vsk.txt
Output Set: N:\CRF3\02082002\I937100.raw

```
200 <220> FEATURE:
201 <221> NAME/KEY: misc_feature
202 <222> LOCATION: (21)..(21)
203 <223> OTHER INFORMATION: v=a,g,c
205 <220> FEATURE:
206 <221> NAME/KEY: misc_feature
207 <222> LOCATION: (23)..(23)
208 <223> OTHER INFORMATION: n=a,t,g,c
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delete

```
210 <400> SEQUENCE: 2
212 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
213 1               5
216 <210> SEQ ID NO: 3
217 <211> LENGTH: 14
218 <212> TYPE: PRT
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Linker peptide
224 <400> SEQUENCE: 3
226 Glu Gly Lys Ser Ser Gly Ser Gly Ser Glu Ser Lys Val Asp
227 1               5                   10
230 <210> SEQ ID NO: 4
231 <211> LENGTH: 8
232 <212> TYPE: PRT
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Flag Epitope
238 <400> SEQUENCE: 4
240 Met Asp Tyr Lys Asp Asp Asp Lys
241 1               5
244 <210> SEQ ID NO: 5
245 <211> LENGTH: 53
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Primer RD5' Flag
252 <400> SEQUENCE: 5
253 gcggatccca tatggactac aaagacgatg acgacaaaca ggtgcagctg cag          53
256 <210> SEQ ID NO: 6
257 <211> LENGTH: 35
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Primer RD3'
264 <400> SEQUENCE: 6
265 gcgaattcgt ggtggtggtg gtggtgtgac tctcc                            35
268 <210> SEQ ID NO: 7
269 <211> LENGTH: 50
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
```

```
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Fos1for
276 <400> SEQUENCE: 7
277 atggaattcc tcgagaccga caccctacag gcggaaaccg accagctgga          50
280 <210> SEQ ID NO: 8
281 <211> LENGTH: 50
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial Sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Fos80rev
288 <400> SEQUENCE: 8
289 tcgcgatttc ggtttgcagc gcggattttt cgtcttccag ctggtcggtt          50
292 <210> SEQ ID NO: 9
293 <211> LENGTH: 50
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial Sequence
297 <220> FEATURE:
298 <223> OTHER INFORMATION: Fos71for
300 <400> SEQUENCE: 9
301 aaaccgaaat cgcgaacctg ctgaaagaaa aagaaaagct ggagttcatc          50
304 <210> SEQ ID NO: 10
305 <211> LENGTH: 50
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Fos155rev
312 <400> SEQUENCE: 10
313 ggaagcttga attccgccgg acggtgtgcc gccaggatga actccagctt          50
316 <210> SEQ ID NO: 11
317 <211> LENGTH: 18
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial Sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: primer Fos1 fS
324 <400> SEQUENCE: 11
325 atggaattcc tcgagacc                                             18
328 <210> SEQ ID NO: 12
329 <211> LENGTH: 18
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Primer Fos155 rS
336 <400> SEQUENCE: 12
337 ggaagcttga attccgcc                                             18
340 <210> SEQ ID NO: 13
341 <211> LENGTH: 28
342 <212> TYPE: DNA
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
```

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

```
              VERIFICATION SUMMARY               DATE: 02/08/2002
              PATENT APPLICATION:  US/09/937,100  TIME: 11:34:19

              Input Set : A:\pto.vsk.txt
              Output Set: N:\CRF3\02082002\I937100.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application Number
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:529 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:601 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:697 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:721 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:745 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1038 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1039 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1042 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1043 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60
L:1163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61
L:1164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61
L:1258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62
L:1282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1560 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66
L:1710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67
L:1711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67
L:1714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67
L:1715 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67
L:1919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68
L:1923 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68
L:2044 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:2046 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
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